

## CLAIMS :

1. In a dynamo electric machine with a stator and a permanent magnet type rotor, on or near  
 5 circumferential surface of the rotor facing the stator  $p \cdot n$  pieces of permanent magnet blocks are disposed, herein  $p$  is number of poles of the rotor and  $n$  is an integer equal to or more than 2, and each of the permanent magnet blocks satisfies the following  
 10 conditions;

$$(\theta_i) - (\theta_{i+1}) = \pm (A_i \cdot p/2) \quad \dots (1)$$

wherein, when assuming that clockwise direction is plus,  $A_i$  is an angle formed between radial center lines of  $i$ th permanent magnet block and  $(i+1)$ th  
 15 permanent magnet block,  $\theta_i$  is an angle formed between magnetization direction of the  $i$ th permanent magnet block and the outward radial direction thereof,  $\theta_{i+1}$  is an angle formed between magnetization direction of the  $(i+1)$ th permanent magnet block and the outward  
 20 radial direction thereof, and  $+$  in  $\pm$  is for the case of an inner rotor type dynamo electric machine and  $-$  in  $\pm$  is for an outer type dynamo electric machine.

2. A dynamo electric machine of claim 1, wherein the  
 25 stator includes  $m$  pieces of salient poles disposed with an equal interval and satisfies the following condition;

... (2)

10 4. A dynamo electric machine of any one of claims 1 through 3, wherein the rotor is provided with a binding portion for binding the permanent magnet blocks on or near the circumferential surface thereof.

• • • (3)

15 5. A dynamo electric machine of claim 4, wherein the  
binding portion is a groove provided on the  
circumferential surface of the rotor.

7. A dynamo electric machine of any one of claims 1 through 6, wherein each permanent magnet block is a NdFeB sintered magnet.